

**Amendments to the Claims:**

This listing of claims will replace all prior versions, and listings, of claims in the application:

1. (Original) Process for the production of *N*-(2,6-dimethyl-phenyl)-2-piperazin-1-yl-acetamide, obtained from the reaction of piperazine with *N*-haloacetyl-2,6-xylidine, characterized in that the process comprises the subsequent steps a) through f) :  
a) reacting piperazine with *N*-haloacetyl-2,6-xylidine in a molar ratio between about 1/1 and about 6/1 in an aqueous solvent in which has been dissolved an about equimolar amount of HCl ;  
b) separating the solid formed in step a) from the reaction mixture ;  
c) neutralizing the filtrate ;  
d) extracting the filtrate with a solvent which is not or only to a small extent miscible with the aqueous solvent mentioned in step a) ;  
e) crystallizing the *N*-(2,6-dimethyl-phenyl)-2-piperazin-1-yl-acetamide from the solvent mentioned in step d) and  
f) separating the solid obtained in step e) from the solvent mentioned in step d).
  
2. (Original) Process according to claim 1 in which *N*-haloacetyl-2,6-xylidine is *N*-chloroacetyl-2,6-xylidine.
  
3. (Currently Amended) Process according to claim 1, ~~any one of claims 1 to 2~~, characterized in that the molar ratio in step a) is about 3/1 and the equimolar amount of HCl is about 3.
  
4. (Currently Amended) Process according to claim 1, ~~any one of claims 1 to 3~~, characterized in that solvent for extraction (step d) and crystallization (step e) is toluene.
  
5. (Currently Amended) Process according to claim 1, ~~any one of claims 1 to 4~~, characterized in that the separation method in step b) and step f) is filtration.

6. (Original) Process for the production of *N*-(2,6-dimethyl-phenyl)-2-piperazin-1-yl - acetamide, obtained from the reaction of piperazine with *N*-chloroacetyl-2,6-xylidine, characterized in that the process comprises the subsequent steps a) through f) :
  - a) reacting piperazine with *N*-chloroacetyl-2,6-xylidine at about 80°C in water in a molar ratio of about 3/1, the reaction mixture also containing 3 equivalents of HCl.;
  - b) filtering the reaction mixture at about 60°C ;
  - c) neutralizing the filtrate up to a pH equal to about 10 ;
  - d) extracting the filtrate with toluene at about 70°C;
  - e) crystallizing the *N*-(2,6-dimethyl-phenyl)-2-piperazin-1-yl-acetamide from toluene and
  - f) filtering the solid *N*-(2,6-dimethyl-phenyl)-2-piperazin-1-yl-acetamide.
7. (Original) Process as described and elucidated on the basis of the examples.